

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/672,221
Filing Date	9/26/2003
First Named Inventor	Frank E. Towsley
Art Unit	1724
Examiner Name	Greene
Attorney Docket Number	MSH-00262

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JMS		US- 4515758	05/1985	Domesle et al	Fig 2
		US- 5709722	01/1998	Nagai et al	Col 2,L-30-67
		US- 6572682	06/2003	Peter et al	All
		US- 4053371	10/1977	Towsley	All
		US- 4121992	10/1978	Towsley	All
		US- 4965101	10/1990	Frei et al	Fig 3
		US- 4588707	05/1986	Domesle et al	Abstract
		US- 5582002	12/1996	Paltas	Background
		US- 5067319	11/1991	Moser	Background
		US- 4929581	05/1990	Steinwandel et al	Background
		US- 4759918	07/1988	Homsier et al	Background
		US- 4477417	10/1984	Domesle et al	Background
		US- 5682740	11/1997	Kawamura	Figs
JMS		US- 5098455	03/1992	Doty et al	Figs
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*

Examiner Signature	<i>Jan M. [Signature]</i>	Date Considered	7/22/05
--------------------	---------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Compl to If Kn wn

Sheet

2

of

2

Application Number

10/672,221

Filing Date

9/26/2003

First Named Inventor

Frank E. Towsley

Art Unit

1724

Examiner Name

Greene

Attorney Docket Number

MSH-00262

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Jms		Heck & Farrauto; Catalytic Air Pollution Control-Commercial Technology; 2nd Edition Chapter 8 & 9; 2002; WILEY	
		ASHBY, EVANS, FLECK, GIBSON, HUTCHINSON & WADLEY; Metal Foams: A Design Guide; Chapters 1 & 2 2000; SAE	
		US Dept of Defense; Environmental Security Technology Certification Program; Cost and Performance Report CP-9906; Reduction of Diesel Engine	
Jms		Particulate Emissions Using A Self-Regenerating Soot Filter; May 2003	

Examiner Signature	<i>Jan M. [Signature]</i>	Date Considered	7/22/05
--------------------	---------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.